

EXCELCHEM
Environmental Labs

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ELAP Certificate No. : 2119

30 May 2012

Calvin Yang

RWQC Central Valley

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

RE: MUN Evaluation

Work order number:1205258

Enclosed are the results of analyses for samples received by the laboratory on 05/22/12 15:26. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

John Somers, Lab Director

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AWL 120522-20	1205258-01	Water	05/22/12 08:26	05/22/12 15:26
AWL 120522-21	1205258-02	Water	05/22/12 07:46	05/22/12 15:26
AWL 120522-22	1205258-03	Water	05/22/12 08:04	05/22/12 15:26
AWL 120522-23	1205258-04	Water	05/22/12 08:48	05/22/12 15:26
AWL 120522-24	1205258-05	Water	05/22/12 09:11	05/22/12 15:26
AWL 120522-25	1205258-06	Water	05/22/12 09:28	05/22/12 15:26
AWL 120522-26	1205258-07	Water	05/22/12 10:07	05/22/12 15:26
AWL 120522-27	1205258-08	Water	05/22/12 10:21	05/22/12 15:26
AWL 120522-28	1205258-09	Water	05/22/12 11:20	05/22/12 15:26

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-20 1205258-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/24/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	46.5	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	13.9	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-20 1205258-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/24/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	2.6	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-20 1205258-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/24/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>99.1 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.7 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrite as Nitrogen	ND	0.15	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
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Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	ND	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	255	50.0	0.8	"	1	"	"	"	"	
Iron	ND	20.0	11.5	"	1	"	"	"	"	
Manganese	ND	10.0	0.6	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-20 1205258-01RE1 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Ion Chromatography

Nitrate as Nitrogen	11.7	1.10	0.20	mg/L	10	AVE0288	05/22/12	05/22/12	EPA 300.0
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Total Recoverable Metals

Sodium	251000	200	120	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7
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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-21 1205258-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-21 1205258-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-21 1205258-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrate as Nitrogen	1.35	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	


Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	704	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	224	50.0	0.8	"	1	"	"	"	"	
Iron	1050	20.0	11.5	"	1	"	"	"	"	
Manganese	70.3	10.0	0.6	"	1	"	"	"	"	
Sodium	140000	200	120	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-22 1205258-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-22 1205258-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-22 1205258-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>98.9 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrate as Nitrogen	2.43	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	601	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	214	50.0	0.8	"	1	"	"	"	"	
Iron	913	20.0	11.5	"	1	"	"	"	"	
Manganese	54.8	10.0	0.6	"	1	"	"	"	"	
Sodium	140000	200	120	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-23 1205258-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-23 1205258-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-23 1205258-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrate as Nitrogen	0.14	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	1350	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	185	50.0	0.8	"	1	"	"	"	"	
Iron	1890	20.0	11.5	"	1	"	"	"	"	
Manganese	160	10.0	0.6	"	1	"	"	"	"	
Sodium	86800	200	120	"	1	"	"	"	"	

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Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-24 1205258-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-24 1205258-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-24 1205258-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.7 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrate as Nitrogen	0.18	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	


Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	440	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	81.9	50.0	0.8	"	1	"	"	"	"	
Iron	642	20.0	11.5	"	1	"	"	"	"	
Manganese	104	10.0	0.6	"	1	"	"	"	"	
Sodium	33800	200	120	"	1	"	"	"	"	

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Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-25 1205258-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-25 1205258-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-25 1205258-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>98.2 %</i>	% Recovery Limits		<i>70-130</i>						<i>"</i>
<i>Surrogate: Toluene-d8</i>	<i>99.4 %</i>	% Recovery Limits		<i>70-130</i>						<i>"</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>						<i>"</i>

Ion Chromatography

Nitrate as Nitrogen	0.15	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	


Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	1690	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	153	50.0	0.8	"	1	"	"	"	"	
Iron	2520	20.0	11.5	"	1	"	"	"	"	
Manganese	261	10.0	0.6	"	1	"	"	"	"	
Sodium	60500	200	120	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-26 1205258-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-26 1205258-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-26 1205258-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>102 %</i>	% Recovery Limits		<i>70-130</i>						<i>"</i>
<i>Surrogate: Toluene-d8</i>	<i>91.8 %</i>	% Recovery Limits		<i>70-130</i>						<i>"</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.9 %</i>	% Recovery Limits		<i>70-130</i>						<i>"</i>

Ion Chromatography

Nitrate as Nitrogen	ND	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	817	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	197	50.0	0.8	"	1	"	"	"	"	
Iron	1450	20.0	11.5	"	1	"	"	"	"	
Manganese	275	10.0	0.6	"	1	"	"	"	"	
Sodium	119000	200	120	"	1	"	"	"	"	

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-27 1205258-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-27 1205258-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-27 1205258-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.0 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrate as Nitrogen	0.17	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	916	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	137	50.0	0.8	"	1	"	"	"	"	
Iron	1160	20.0	11.5	"	1	"	"	"	"	
Manganese	59.6	10.0	0.6	"	1	"	"	"	"	
Sodium	76400	200	120	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-28 1205258-09 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVE0320	05/24/12	05/25/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51


AWL 120522-28 1205258-09 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2-Dichloropropane	ND	0.5	0.1	ug/l	1	AVE0320	05/24/12	05/25/12	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

AWL 120522-28 1205258-09 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

n-Butylbenzene	ND	0.5	0.08	ug/l	1	AVE0320	05/24/12	05/25/12	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>108 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>						"

Ion Chromatography

Nitrate as Nitrogen	0.20	0.11	0.02	mg/L	1	AVE0288	05/22/12	05/22/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	


Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVE0298	05/23/12	05/23/12	SM5540C	
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Total Recoverable Metals

Aluminum	2660	50.0	24.5	ug/l	1	AVE0305	05/23/12	05/29/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	185	50.0	0.8	"	1	"	"	"	"	
Iron	3510	20.0	11.5	"	1	"	"	"	"	
Manganese	222	10.0	0.6	"	1	"	"	"	"	
Sodium	96200	200	120	"	1	"	"	"	"	

Excelchem Environmental Lab.



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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0320 - EPA 8260B

Blank (AVE0320-BLK1)

Prepared & Analyzed: 05/24/12

Surrogate: Dibromofluoromethane	12.4			ug/l	12.5		99.3	70-130			
Surrogate: Toluene-d8	13.3			"	12.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	12.3			"	12.5		98.7	70-130			
Gasoline Range Hydrocarbons	ND	50.0		"							
Ethanol	ND	20.0		"							
TBA	ND	5.0		"							
Methyl tert-Butyl Ether	ND	0.5		"							
Di-isopropyl ether	ND	0.5		"							
Ethyl tert-Butyl Ether	ND	0.5		"							
Tert-Amyl Methyl Ether	ND	0.5		"							
Dichlorodifluoromethane	ND	0.5		"							
Chloromethane	ND	0.5		"							
Vinyl chloride	ND	0.5		"							
Bromomethane	ND	0.5		"							
Chloroethane	ND	0.5		"							
Trichlorofluoromethane	ND	0.5		"							
Trichlorotrifluoroethane	ND	1.0		"							
Acetone	ND	5.0		"							
1,1-Dichloroethene	ND	0.5		"							
Iodomethane	ND	0.5		"							
Methylene chloride	ND	5.0		"							
Carbon disulfide	ND	0.5		"							
trans-1,2-Dichloroethene	ND	0.5		"							
1,1-Dichloroethane	ND	0.5		"							
2-Butanone	ND	5.0		"							
2,2-Dichloropropane	ND	0.5		"							
cis-1,2-Dichloroethene	ND	0.5		"							
Bromochloromethane	ND	0.5		"							
Chloroform	ND	0.5		"							
1,1,1-Trichloroethane	ND	0.5		"							
Carbon tetrachloride	ND	0.5		"							
1,1-Dichloropropene	ND	0.5		"							
Benzene	ND	0.5		"							
1,2-Dichloroethane	ND	0.5		"							
Dibromomethane	ND	0.5		"							
Trichloroethene	ND	0.5		"							
Bromodichloromethane	ND	0.5		"							
1,2-Dichloropropane	ND	0.5		"							
cis-1,3-Dichloropropene	ND	0.5		"							

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0320 - EPA 8260B

Blank (AVE0320-BLK1)

Prepared & Analyzed: 05/24/12

4-Methyl-2-pentanone	ND	5.0		ug/l
Toluene	ND	0.5		"
trans-1,3-Dichloropropene	ND	0.5		"
1,1,2-Trichloroethane	ND	0.5		"
Tetrachloroethene	ND	0.5		"
1,3-Dichloropropane	ND	0.5		"
2-Hexanone	ND	5.0		"
Dibromochloromethane	ND	0.5		"
1,2-Dibromoethane (EDB)	ND	0.5		"
Chlorobenzene	ND	0.5		"
1,1,1,2-Tetrachloroethane	ND	0.5		"
Ethylbenzene	ND	0.5		"
m,p-Xylene	ND	1.0		"
o-Xylene	ND	0.5		"
Xylenes, total	ND	1.0		"
Styrene	ND	0.5		"
Bromoform	ND	0.5		"
Isopropylbenzene	ND	0.5		"
Bromobenzene	ND	0.5		"
1,1,2,2-Tetrachloroethane	ND	0.5		"
1,2,3-Trichloropropane	ND	0.5		"
n-Propylbenzene	ND	0.5		"
2-Chlorotoluene	ND	0.5		"
4-Chlorotoluene	ND	0.5		"
1,3,5-Trimethylbenzene	ND	0.5		"
tert-Butylbenzene	ND	0.5		"
1,2,4-Trimethylbenzene	ND	0.5		"
sec-Butylbenzene	ND	0.5		"
1,3-Dichlorobenzene	ND	0.5		"
4-Isopropyltoluene	ND	0.5		"
1,4-Dichlorobenzene	ND	0.5		"
1,2-Dichlorobenzene	ND	0.5		"
n-Butylbenzene	ND	0.5		"
1,2-Dibromo-3-chloropropane	ND	0.5		"
1,2,4-Trichlorobenzene	ND	0.5		"
Hexachlorobutadiene	ND	0.5		"
Naphthalene	ND	0.5		"
1,2,3-Trichlorobenzene	ND	0.5		"

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0320 - EPA 8260B

LCS (AVE0320-BS1)

Prepared & Analyzed: 05/24/12

Surrogate: Dibromofluoromethane	13.5			ug/l	12.5		108	70-130			
Surrogate: Toluene-d8	12.6			"	12.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	12.7			"	12.5		102	70-130			
1,1-Dichloroethene	20.3	0.5		"	20.0		101	80-120			
Benzene	19.8	0.5		"	20.0		99.3	80-120			
Trichloroethene	19.4	0.5		"	20.0		96.8	80-120			
Toluene	20.2	0.5		"	20.0		101	80-120			
Chlorobenzene	19.9	0.5		"	20.0		99.6	80-120			

LCS Dup (AVE0320-BS1)

Prepared & Analyzed: 05/24/12

Surrogate: Dibromofluoromethane	12.4			ug/l	12.5		98.9	70-130			
Surrogate: Toluene-d8	13.4			"	12.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	12.2			"	12.5		98.0	70-130			
1,1-Dichloroethene	18.3	0.5		"	20.0		91.5	80-120	10.2	15	
Benzene	18.7	0.5		"	20.0		93.3	80-120	6.18	15	
Trichloroethene	18.8	0.5		"	20.0		93.8	80-120	3.15	15	
Toluene	20.9	0.5		"	20.0		104	80-120	3.02	15	
Chlorobenzene	21.1	0.5		"	20.0		106	80-120	5.99	15	


Matrix Spike (AVE0320-MS1)

Source: 1205258-01

Prepared & Analyzed: 05/24/12

Surrogate: Dibromofluoromethane	13.0			ug/l	12.5		104	70-130			
Surrogate: Toluene-d8	12.6			"	12.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	12.4			"	12.5		99.4	70-130			
1,1-Dichloroethene	19.2	0.5		"	20.0	ND	96.3	80-120			
Benzene	20.1	0.5		"	20.0	ND	101	80-120			
Trichloroethene	19.6	0.5		"	20.0	ND	98.1	80-120			
Toluene	20.2	0.5		"	20.0	ND	101	80-120			
Chlorobenzene	20.6	0.5		"	20.0	ND	103	80-120			

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0320 - EPA 8260B

Matrix Spike Dup (AVE0320-MSD1)

Source: 1205258-01

Prepared: 05/24/12 Analyzed: 05/25/12

<i>Surrogate: Dibromofluoromethane</i>	13.3			ug/l	12.5		107	70-130			
<i>Surrogate: Toluene-d8</i>	12.3			"	12.5		98.6	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.3			"	12.5		98.2	70-130			
1,1-Dichloroethene	19.6	0.5		"	20.0	ND	97.9	80-120	1.65	15	
Benzene	19.5	0.5		"	20.0	ND	97.5	80-120	3.28	15	
Trichloroethene	19.1	0.5		"	20.0	ND	95.7	80-120	2.48	15	
Toluene	19.3	0.5		"	20.0	ND	96.6	80-120	4.40	15	
Chlorobenzene	20.1	0.5		"	20.0	ND	101	80-120	2.21	15	

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RWQC Central Valley
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Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0288 - EPA 300.0

Blank (AVE0288-BLK1)

Prepared & Analyzed: 05/22/12

Nitrite as Nitrogen	ND	0.15		mg/L							
Nitrate as Nitrogen	ND	0.11		"							

LCS (AVE0288-BS1)

Prepared & Analyzed: 05/22/12

Nitrite as Nitrogen	2.95	0.15		mg/L	3.05		96.8	80-120			
Nitrate as Nitrogen	2.11	0.11		"	2.26		93.2	80-120			

LCS Dup (AVE0288-BS1)

Prepared & Analyzed: 05/22/12

Nitrite as Nitrogen	2.94	0.15		mg/L	3.05		96.3	80-120	0.475	20	
Nitrate as Nitrogen	2.14	0.11		"	2.26		94.8	80-120	1.79	20	

Matrix Spike (AVE0288-MS1)

Source: 1205258-03

Prepared & Analyzed: 05/22/12

Nitrite as Nitrogen	3.01	0.15		mg/L	3.05	ND	98.7	75-125			
Nitrate as Nitrogen	4.77	0.11		"	2.26	2.43	104	75-125			

Matrix Spike Dup (AVE0288-MSD1)

Source: 1205258-03

Prepared & Analyzed: 05/22/12

Nitrite as Nitrogen	2.99	0.15		mg/L	3.05	ND	98.1	75-125	0.608	20	
Nitrate as Nitrogen	4.78	0.11		"	2.26	2.43	104	75-125	0.194	20	

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Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0298 - SM5540C

Blank (AVE0298-BLK1)

Prepared & Analyzed: 05/23/12

MBAS	ND	0.100		mg/L						
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LCS (AVE0298-BS1)

Prepared & Analyzed: 05/23/12

MBAS	0.498	0.100		mg/L	0.500		99.6	90-110		
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LCS Dup (AVE0298-BSD1)

Prepared & Analyzed: 05/23/12

MBAS	0.513	0.100		mg/L	0.500		103	90-110	2.97	15
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Total Recoverable Metals - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0305 - EPA 200.7

Blank (AVE0305-BLK1)

Prepared: 05/23/12 Analyzed: 05/29/12

Aluminum	ND	50.0		ug/l							
Boron	ND	50.0		"							
Arsenic	ND	10.0		"							
Iron	ND	20.0		"							
Manganese	ND	10.0		"							
Sodium	ND	200		"							

LCS (AVE0305-BS1)

Prepared: 05/23/12 Analyzed: 05/29/12

Aluminum	1010	50.0		ug/l	1000		101	85-115			
Boron	928	50.0		"	1000		92.8	85-115			
Arsenic	984	10.0		"	1000		98.4	85-115			
Iron	1010	20.0		"	1000		101	85-115			
Manganese	1000	10.0		"	1000		100	85-115			
Sodium	1050	200		"	1000		105	85-115			

LCS Dup (AVE0305-BS1)

Prepared: 05/23/12 Analyzed: 05/29/12

Boron	933	50.0		ug/l	1000		93.3	85-115	0.537	20	
Aluminum	956	50.0		"	1000		95.6	85-115	5.34	20	
Arsenic	983	10.0		"	1000		98.3	85-115	0.112	20	
Iron	1010	20.0		"	1000		101	85-115	0.594	20	
Manganese	1000	10.0		"	1000		100	85-115	0.409	20	
Sodium	1040	200		"	1000		104	85-115	1.15	20	

Matrix Spike (AVE0305-MS1)

Source: 1205258-01

Prepared: 05/23/12 Analyzed: 05/29/12

Boron	1220	50.0		ug/l	1000	255	96.1	75-125			
Aluminum	994	50.0		"	1000	ND	99.4	75-125			
Arsenic	1030	10.0		"	1000	1.40	103	75-125			
Iron	1020	20.0		"	1000	ND	102	75-125			
Manganese	990	10.0		"	1000	0.900	98.9	75-125			

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Total Recoverable Metals - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVE0305 - EPA 200.7

Matrix Spike (AVE0305-MS2)

Source: 1205258-01RE1

Prepared: 05/23/12 Analyzed: 05/29/12

Sodium	252000	200		ug/l	1000	251000	150	75-125			QL-01
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Matrix Spike Dup (AVE0305-MSD1)

Source: 1205258-01

Prepared: 05/23/12 Analyzed: 05/29/12

Aluminum	1000	50.0		ug/l	1000	ND	100	75-125	0.582	25	
Boron	1220	50.0		"	1000	255	96.4	75-125	0.246	25	
Arsenic	1020	10.0		"	1000	1.40	102	75-125	0.293	25	
Iron	1020	20.0		"	1000	ND	102	75-125	0.0977	25	
Manganese	992	10.0		"	1000	0.900	99.1	75-125	0.212	25	

Matrix Spike Dup (AVE0305-MSD2)

Source: 1205258-01RE1

Prepared: 05/23/12 Analyzed: 05/29/12

Sodium	252000	200		ug/l	1000	251000	160	75-125	0.0397	25	QL-01
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Notes and Definitions

QL-01 Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

ND Analyte not detected at reporting limit.

NR Not reported

Analysis Method

EPA 8260, EPA 8021/8015M

EPA 8270, EPA 8081, EPA 8082, EPA 8141, EPA 8015M (extractable)

Metals

TCLP

Not Specified

Prep Method

EPA 5030B

Water - EPA 3510C, Soil- EPA 3550B

Water- 3005A, Soil- 3050B

EPA 1311

Same as Analysis Method

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Date Reported:
05/30/12 12:51

Excelchem Environmental Lab.

Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
05/30/12 12:51

Sample Integrity

WORK ORDER 1205258

Date Received: 5/22/12

Section 1 – Sample Arrival Info.

Sample Transport: ONTRAC UPS USPS Walk-In EXCELCHEM Courier Fed-Ex Other: _____
Transported In: Ice Chest Box Hand
Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: _____
Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient On Ice
Temperature of Samples (°C): 8 Ice Chest Temperature(s) (°C): 4

Section 2 – Bottle/Analysis Info.

	Yes	No	N/A	Comments
Did all bottles arrive unbroken and intact?	<input checked="" type="checkbox"/>			
Did all bottle labels agree with COC?	<input checked="" type="checkbox"/>			
Were correct containers used for the tests requested?	<input checked="" type="checkbox"/>			
Were correct preservations used for the tests requested?	<input checked="" type="checkbox"/>			
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>			
Were bubbles present in VOA Vials?: (Volatile Methods Only)		<input checked="" type="checkbox"/>		VOAs were not individually marked. the set was in a ziploc bag with sample ID on outside

Section 3 – Summa/Flow regulator Info.

Used Summa#: _____
Unused Summa#: _____
Cleaning Summa#: _____
Regulator#: _____
Was there any visual damage to summa canisters or flow regulators? Explain. -NA-
*Date & time of collection not noted on the sample ID (label)

Section 4 – COC Info.

	Completed		Info From Container		Completed		Comments
	Yes	No			Yes	No	
Was COC Received	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		
Date Sampled	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		
Time Sampled	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		
Sample ID	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		
Rush TAT		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Analysis Requested					<input checked="" type="checkbox"/>		
Samples arrived within holding time					<input checked="" type="checkbox"/>		
Any hold times less than 72 hrs					<input checked="" type="checkbox"/>		
Client Name					<input checked="" type="checkbox"/>		
Address/Telephone #					<input checked="" type="checkbox"/>		

Section 5 – Comments / Discrepancies

Was Client notified of discrepancies: Yes No N/A Notified by: _____
Explanations / Comments: _____

Samples Labeled by: mg
Bin #: 02A127
COC Scanned/Attached by: mg
Sample labels reviewed by: _____

Filled _____
Out by: Monica

Date: 5/22/12
Time: 1526

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